

Strategie a metody řešení, které mohou vést k přidané hodnotě

Richard Papík

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Searching Session 2015

Akce konaná v úterý 6.10. 2015 v Národní technické knihovně v Praze

?

Tušení stínu

Tušení souvislosti

Tušení světla

Není třeba záhadologie, ale ...

Tušení stínu (1974)

(mj. v roce 1974 píše Jan Patočka Filozofii a společenský problém informace ;-)

Tušení souvislosti (1978)

Tušení světla (... se ztratilo, fragment vyšel v roce 1992 ...)

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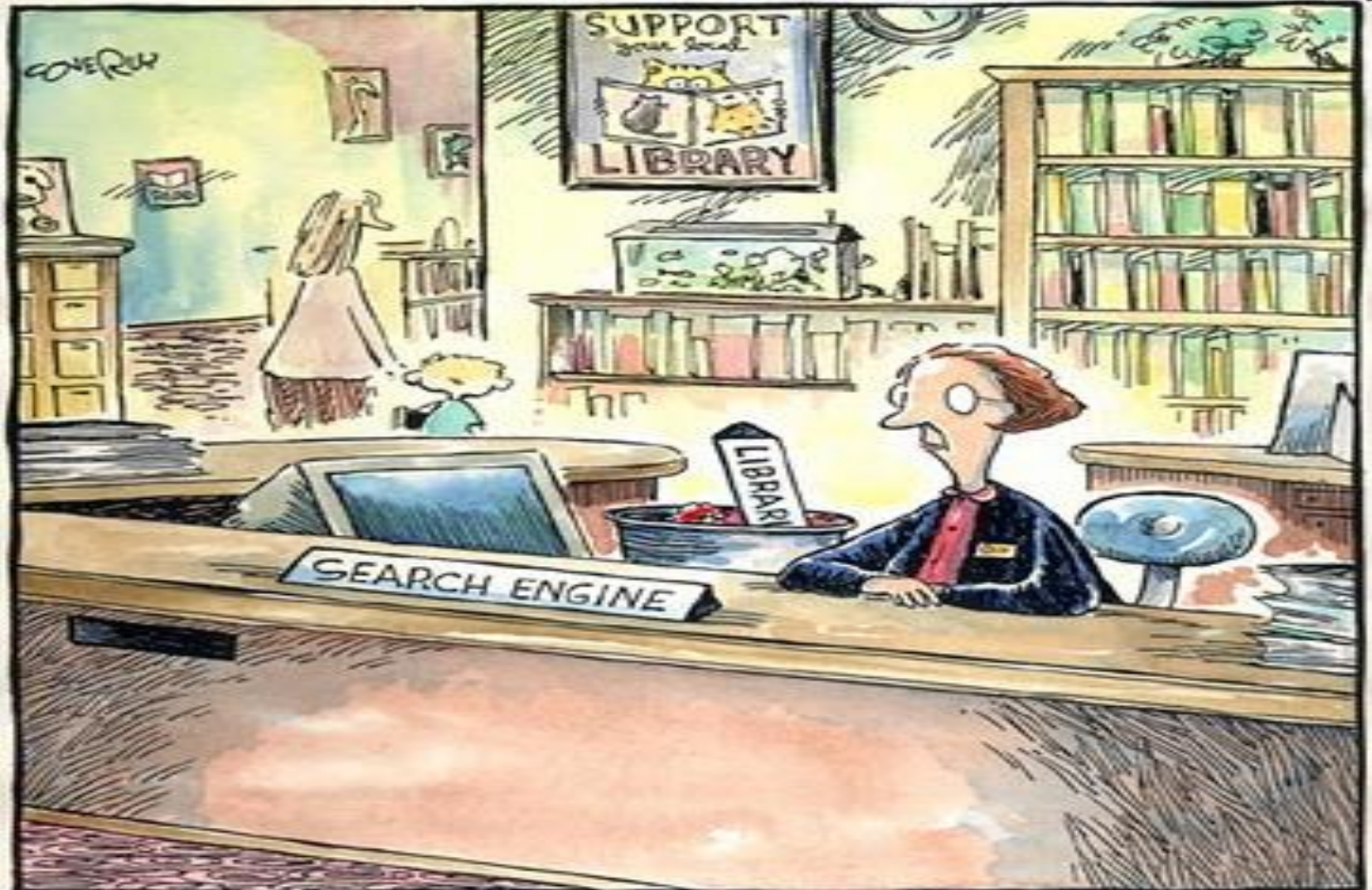
Jinak nesouvisí s našim tématem, jen
těmi názvy děl, ale kdo by si chtěl
přečíst více, nebo lépe poslechnout:

[http://www.radio.cz/cz/rubrika/knihy/ondr
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Kdo bude nositelem přidané hodnoty v rešeršních strategiích?

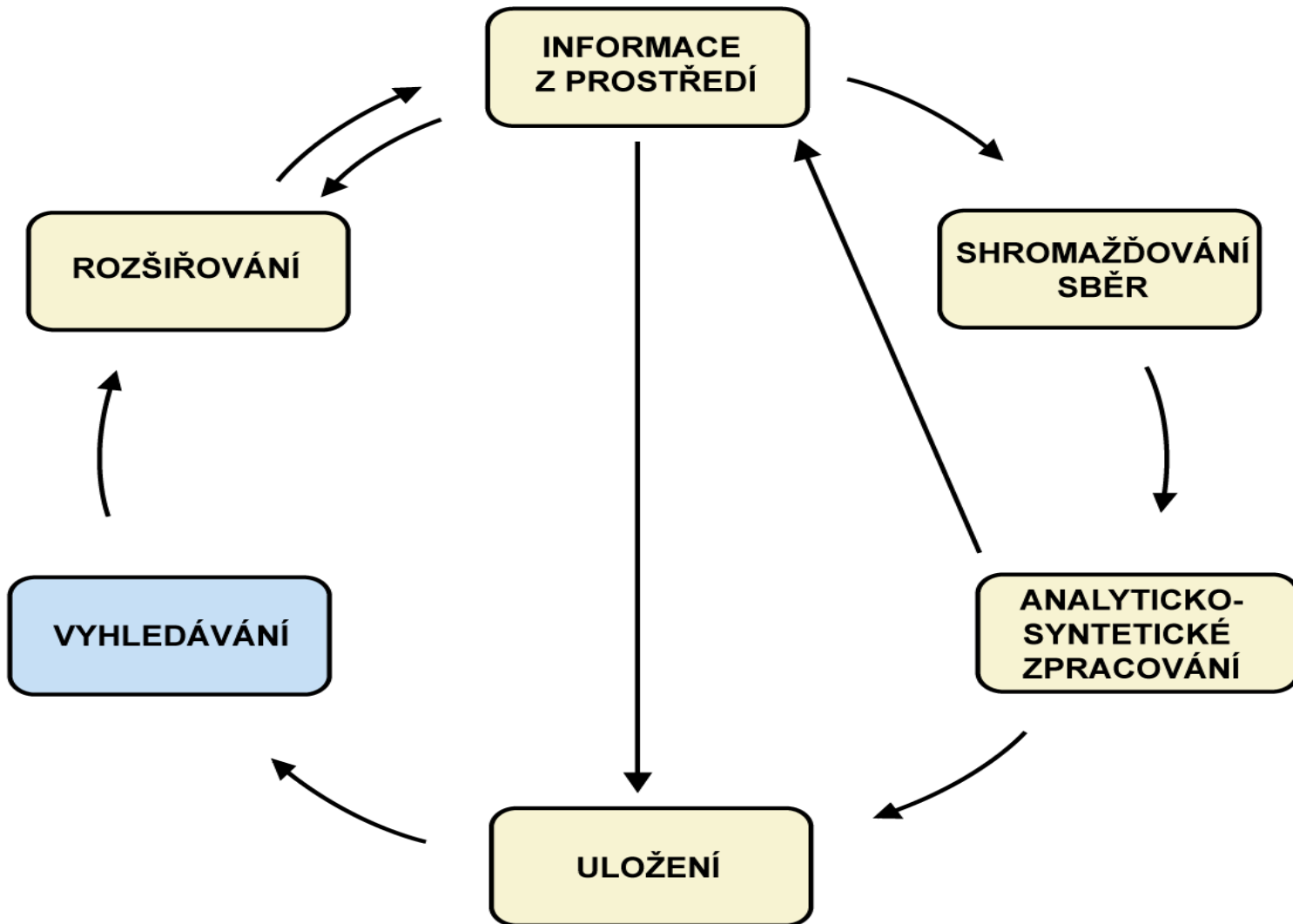
- ◆ **Člověk** – ruční rešerše a nadstavby, informace na míru, studijně rozborová činnost
- ◆ **Technologie** – „informační systém přinese“, případně „znalostní systém přinese“
- ◆ **Člověk a technologie** včetně prvků umělé inteligence a všeho předchozího

Lidský faktor včetně řešeršního specialisty
je a bude zatím nutný ... perspektivy do
budoucna jsou velké 😊



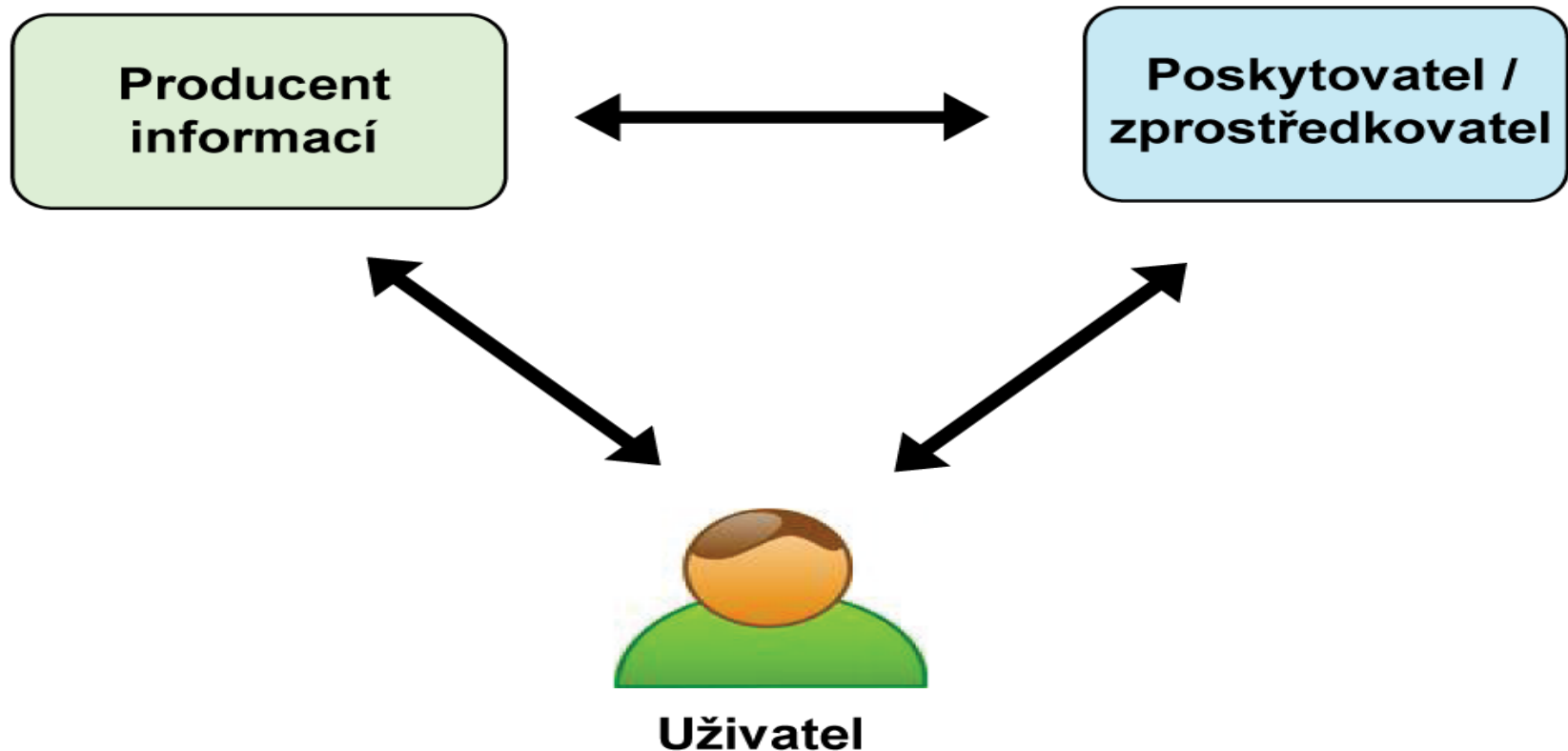
Kde bude přidána hodnota v práci s informacemi? A souvislosti ;-) dalšími dnešními přednášejícími ...

Koloběh informačních procesů



**Umístění přidané hodnoty k řešeršním strategiím
systémům bude i u tří subjektů informačního průmyslu**

Tři základní subjekty informačního průmyslu



***„Příští generace počítačů budou tak
inteligentní,
že budeme rádi, když si nás budou
vydržovat alespoň jako domácí zvířata.“***

*Marvin Minsky (nar. 9.8. 1927),
vědec v oblasti umělé inteligence,
Massachusetts Institute of Technology*

Současnost

- ◆ počítač s **klientským prostředím** se specializovanými softwary
- ◆ např. vyhledávání „*structure searching*“
- ◆ řešeršní strategie se promítá do **změněného modelu platby**

PubChem Sketcher V2.4 - Google Chrome

https://pubchem.ncbi.nlm.nih.gov/edit2/index.html?cnt=0

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Mapping the Indian nanotechnology innovation system

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Author(s): Amit Kumar (Centre for Studies in Science Policy, Jawaharlal Nehru University, New Delhi, India)
Pranav N. Desai (Centre for Studies in Science Policy, Jawaharlal Nehru University, New Delhi, India)

Citation: Amit Kumar , Pranav N. Desai , (2014) "Mapping the Indian nanotechnology innovation system", World Journal of Science, Technology and Sustainable Development, Vol. 11 Iss: 1, pp.53 - 65

DOI <http://dx.doi.org/10.1108/WJSTSD-09-2013-0039>

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Abstract: **Purpose**
– The purpose of this paper is to map out the Indian nanotechnology innovation system. An attempt is made to identify the dominant actors, collaborative pattern and analyse the role of and interactions between the actors and institutions.

Design/methodology/approach
– A combination of frameworks such as national and international system of innovation is used to include all possible actors and institutions involved. A scientometric analysis is also carried out.

Findings
– Despite a series of government interventions discernible in various programmes since the 1980s, nanotechnology-based industries are yet to emerge as a dominant sector. The health sector has emerged as one of the major contributors in terms of nanotechnology applications. There are many other challenges of safety and standards, socioeconomic, ethical and environmental concerns. Academic R&D labs are active in technology transfer.

Research limitations/implications
– A scant literature is available for this sector in India and especially from the international innovation system framework to analyse the socioeconomic and risk governance issues.

Practical implications
– A scant literature is available for this sector in India and especially from the international innovation system framework to analyse the socioeconomic and risk governance issues.

Originality/value
– A scant literature is available for this sector in India and especially from the international innovation system framework to analyse the socioeconomic and risk governance issues.

Keywords: India; Nanotechnology; Innovation systems; International collaborations

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Amit Kumar , Pranav N. Desai , (2014) "Mapping the Indian nanotechnology innovation system of Science, Technology and Sustainable Development, Vol. 11 Iss: 1, pp.53 - 65

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- ◆ 90.léta a počátek 21. století – např. nevídaný rozmach tzv. **distribuovaných informačních systémů**
- ◆ **hypertextově orientované formy** (WWW) převládají
- ◆ z textového prostoru do prostoru dalších multimediálních forem, **text mining, vizualizace informací**

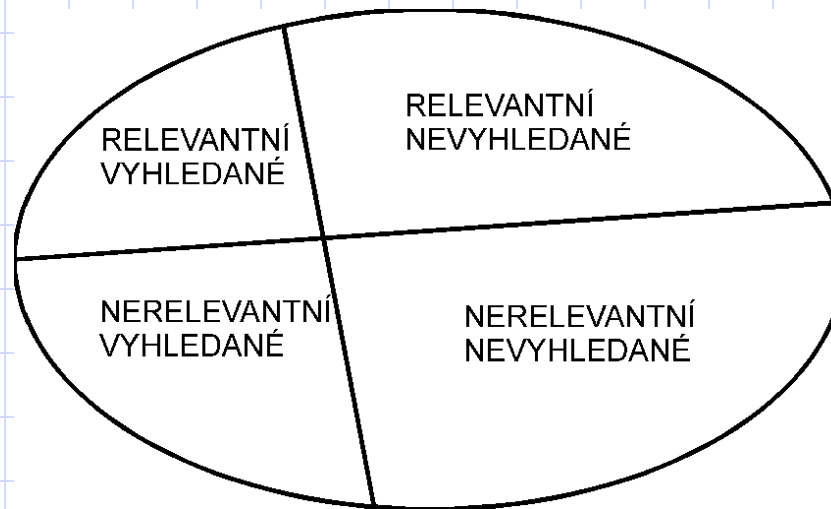
- ◆ další formátové a metadatové standardy
- ◆ **vyhledávání je ovlivněno novými značkovacími jazyky**
- ◆ probíhá vývoj tzv. **intelligentních vyhledávacích prostředků**
- ◆ **strategie prohlížení**, tzv. browsingu, **dává kontext**
- ◆ vnímání kontextu – ovlivněn mentální model uživatele, *hypertextový odskok je tak snadný*"
- ◆ jsou typické **tzv. hybridní způsoby interakce** při vedení řešeršní strategie (spojení GUI s dotazovacími jazyky a např. s formulářovým rozhraním, viz např. nový **ProQuest**)
- ◆ návazné služby **DDS, EDS vs. plný text**, aj.

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Hodnocení systémů, zpětná vazba



Problematikou vyhledávání všech generací se prolíná „čtveřice“ pojmů:

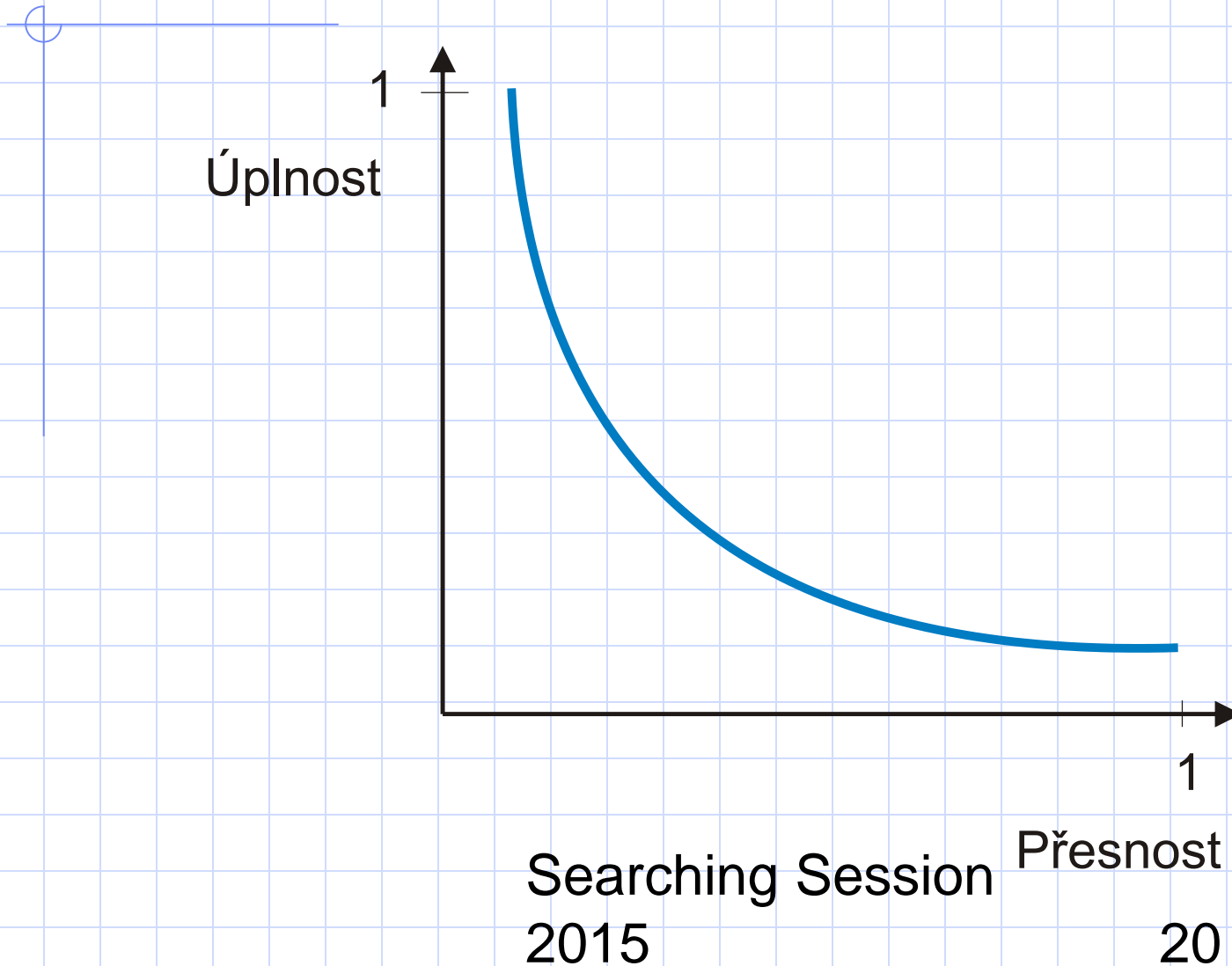
- relevance
- pertinence
- úplnost
- přesnost

Uživatelé preferují jednoduchost



So: Arnold, S.A., Online Information, 1999, London

Reálný vztah mezi úplností a přesností, souboj a nedosažitelnost



Uživatelské rozhraní

Složky:

- fyzická (vstupní/výstupní zařízení, nástroje selekce a zpětné vazby, **využití poznatků souboru kognitivních věd**)
- konceptuální (dotazovací, resp. **příkazové jazyky, menu, prostředky přímé manipulace**, systémy pracující s ikonami, formulářové rozhraní, **prvky inteligentního rozhraní**)

Komunikace s objekty (např. s dialogovými informačními systémy) **má 2 základní přístupy, které rozdělujeme a posuzujeme na základě:**

- **předchozích zkušeností**
- očekávání, jak systém bude pracovat při jeho užití

- Dnes je zásadně preferován tzv. **"user-centered"**
- **Systém se člověku přizpůsobuje** v porovnání s předchozí historií řešeršních informačních systémů mnohonásobně více, neboť koncový uživatel - člověk byl vtažen do etapy návrhu rozhraní, ale i např. do etap řešeršní strategie (pokud tu znalost má)

➡ **"human-centered"** model

Ambivalence a současně symbióza:

- end-user (koncový uživatel) - ?
- information broker (zprostředkovatel, prostředník) - ?
- end user x final user (koncový x konečný uživatel) - ? (Gartner, EIU aj.)

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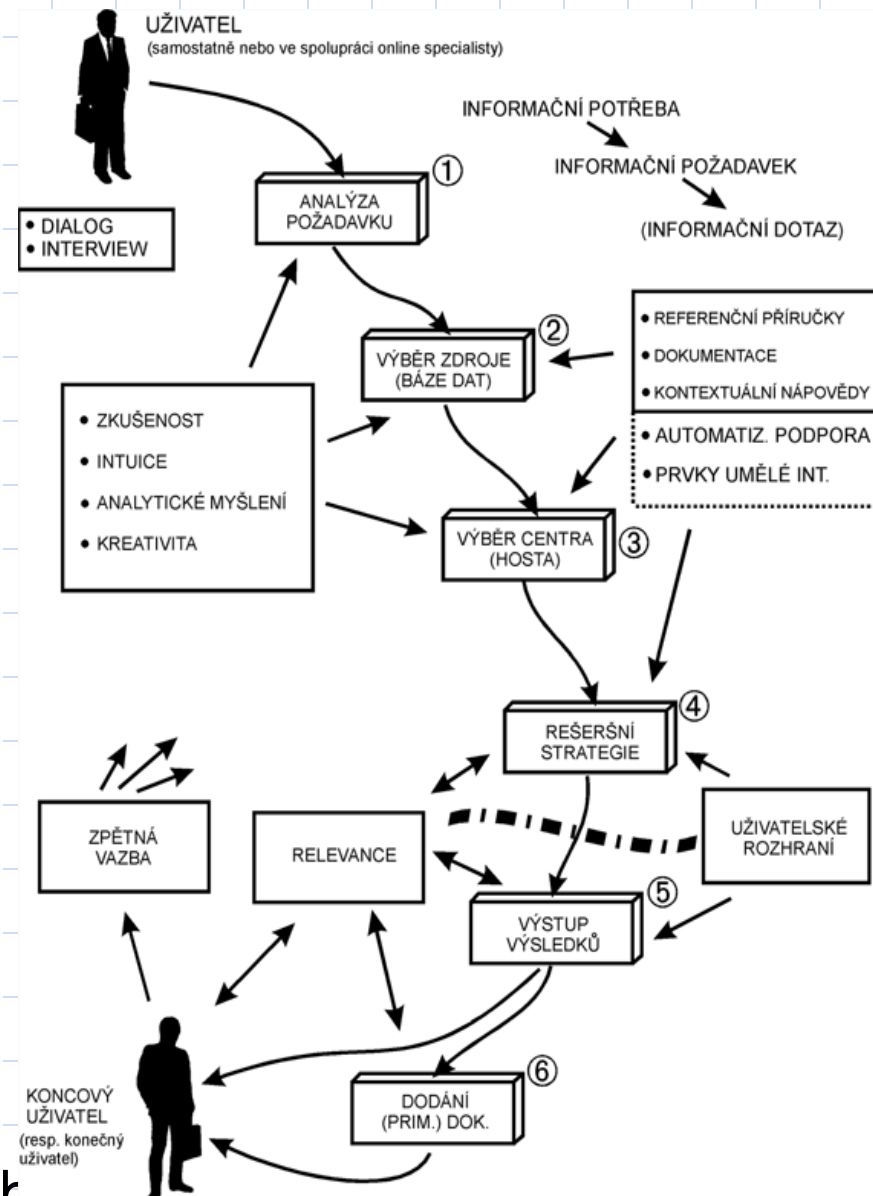
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Širší model vyhledávání,
který klade důraz
i na analytický
výběr zdroje



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The selected databases are: MEDICINE

Search Terms: hepsera

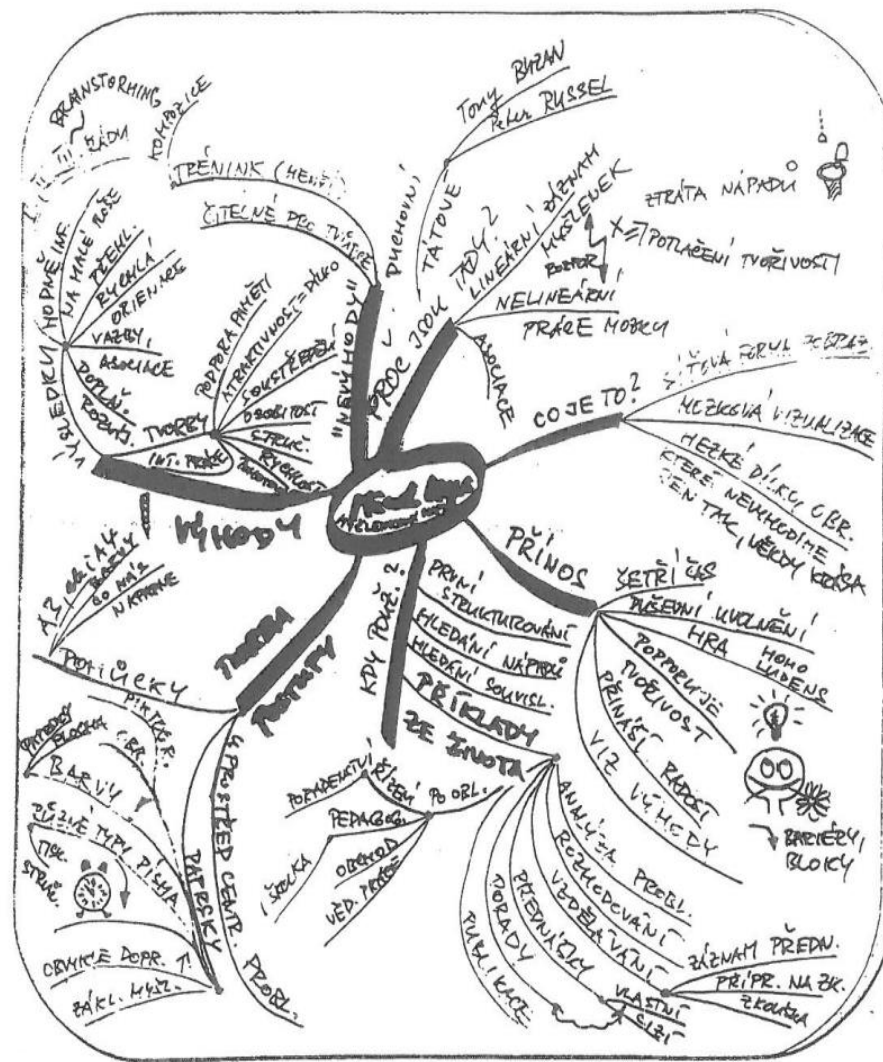
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|----|-------------|
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| 18 | EMBASE |
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| 8 | TOXCENTER |
| 7 | ADISNEWS |
| 7 | IPA |
| 7 | PHARMAML |
| 6 | DRUGNL |
| 4 | ADISCTI |
| 3 | BIOTECHNO |
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- ◆ Dialindex ☹ -- zrušen
- ◆ Dialog Company Name Finder
- ◆ Dialog Product Name Finder
- ◆ Dialog Journal Name Finder ... vše
zrušeno

Ale ...





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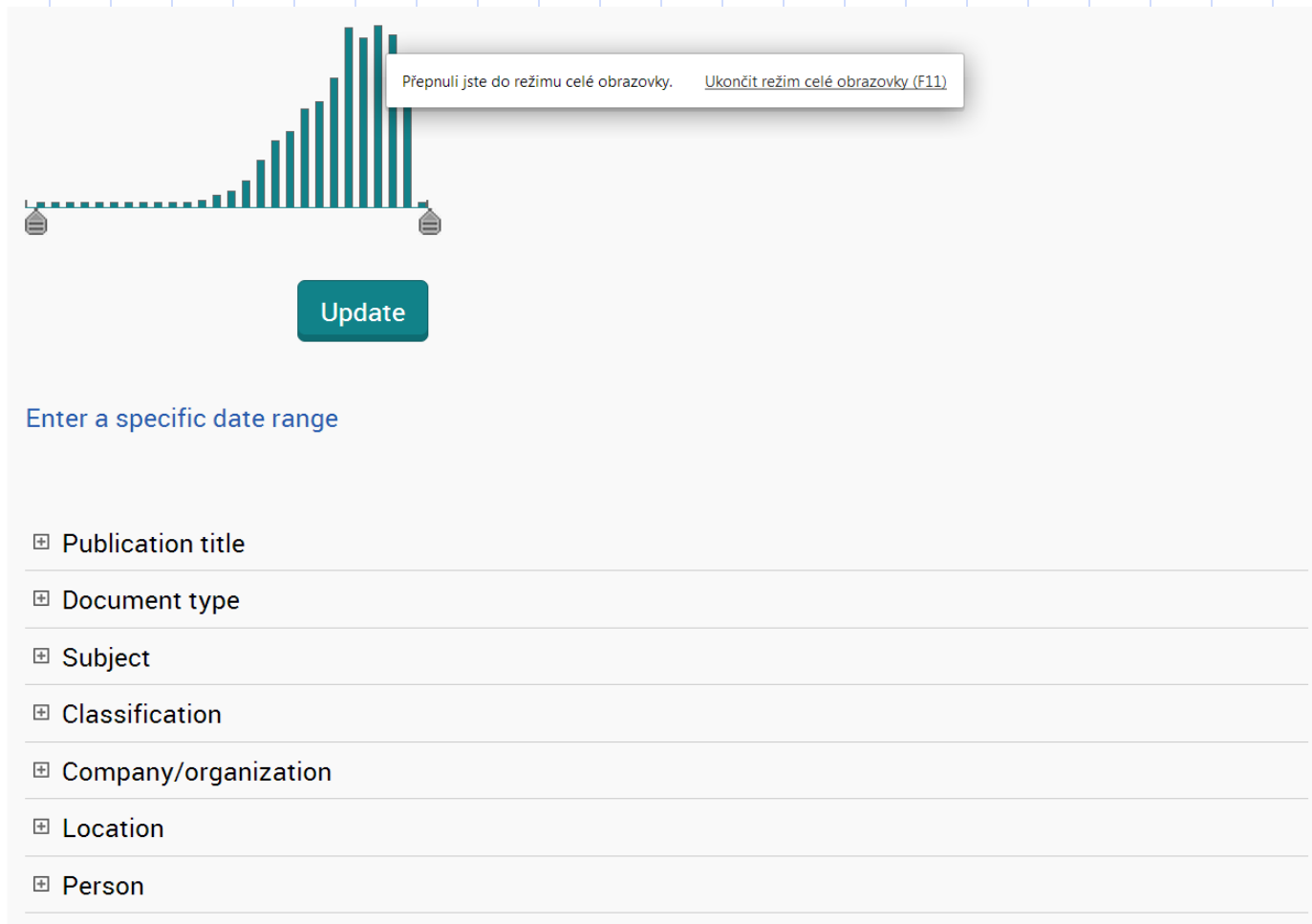
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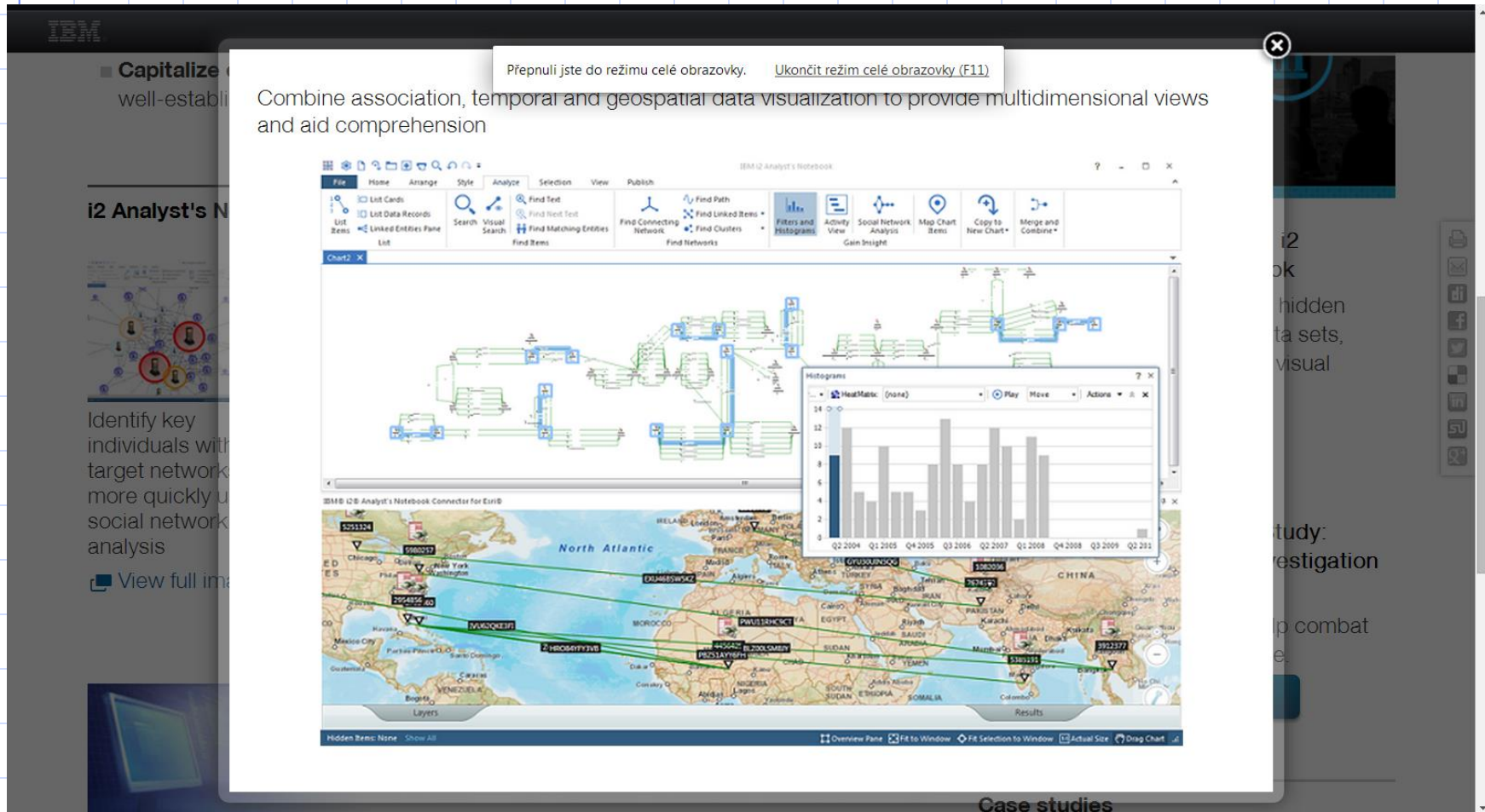
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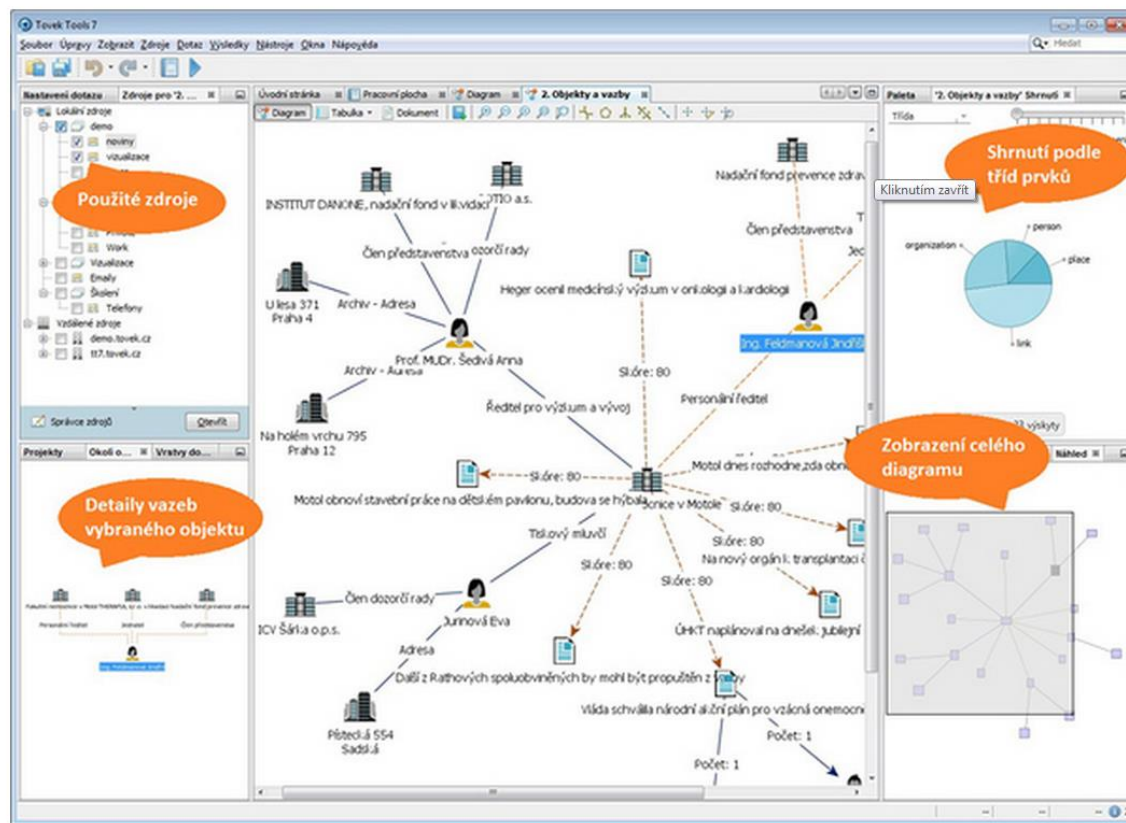
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Příklad: I2 IBM



Příklad: Tovek Tools



javascript:window.close()

Inspirace od EBM (***evidence-based medicine***, medicíny založené na důkazech):

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3. **Prompt:** fáze „budoucích služeb“

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All Results (42)

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- Book (6)
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- Information Literacy (2)
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- System For Information On Grey Literature In Europe (2)
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find in clouds: Find

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Top 42 results of at least 1,004 retrieved for the query "grey literature" (details)

Books Like Angels | LISNews: The Political Censor 1 week 1 day ago; Hmm... 1 week 3 days ago; Ah, the joys of the 4th amendment... 3 weeks 6 days ago; crazy 1 month 1 week ago; Infinite Jest 1 ...
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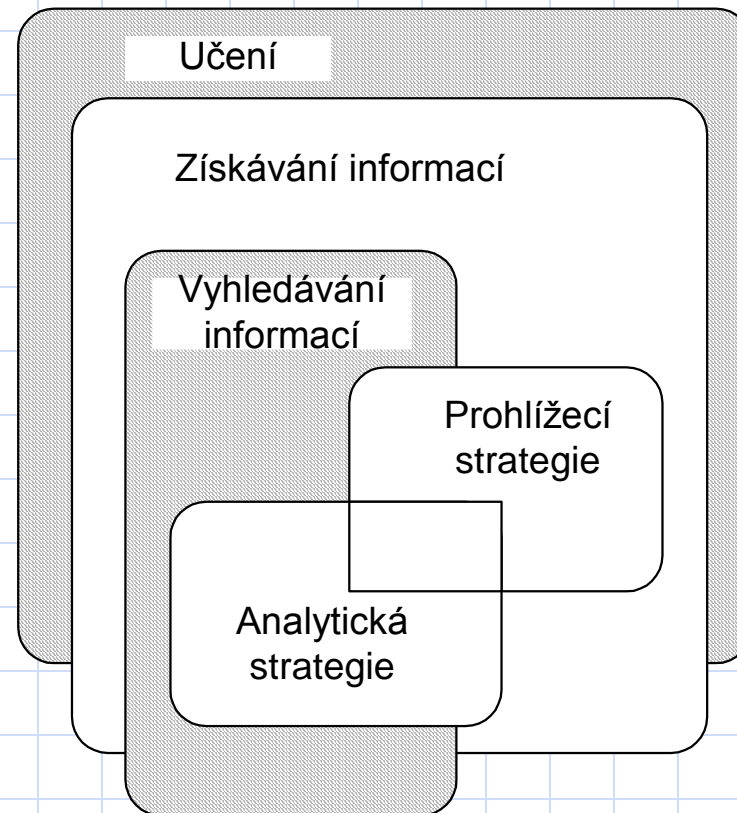
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bioacoustics.cse.unsw.edu.au/birding-aus/2010-03/msg00112.html - [cache] - Yippy Index IV

Sea Turtle Bibliography: The Archie Carr Center for Sea Turtle Research maintains this publicly accessible online database at the University of Florida in Gainesville.
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Klíčové procesy spojené bezprostředně s vyhledáváním informací, které (se) ovlivní přidanou hodnotou



(prof. Gary Marchionini, SILS UNC)

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Děkuji Vám za pozornost.



Běh každého učení necht' je, pokud možno, krátký a uspořádaný.
J.A. Komenský: Analytická didaktika
a to bude platit i směre řešeršním činnostem. ;-)

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